

19980304.qrp v01\_n019.qrs.980304

Date: Wed, 4 Mar 1998 19:03:23 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 1019

QRP-L Digest 1019

Topics covered in this issue include:

- 1) [5209] Fox Coordination  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 2) [5210] Re: Fox Coordination  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 3) [5211] Sierra on 160KHz  
by W0rw@kktv.com
- 4) [5212] RE: Fox Coordination - AL7FS  
by "Larsen, Jim" <JLarsen@alascom.att.com>
- 5) [5213] Address  
by "Ron Polityka" <wb3aal@talon.net>
- 6) [5214] Replacement Parts  
by Norm Melick <henmel@postoffice.worldnet.att.net>
- 7) [5215] Trip To TenTec  
by "James Fielden" <fielden@utkux.utcc.utk.edu>
- 8) [5216] FOX DRIFTING UP AROUND 7.04+  
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 9) [5217] FOR SALE/ QRP  
by RangerSF5 <RangerSF5@aol.com>
- 10) [5218] Re: W3EDP vs. Dipole  
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 11) [5219] Investment capitalism & they video taped killing Kenny!  
by nilsbull@juno.com (Nils R Young)
- 12) [5220] Fox Spot  
by "tom palmer" <n1tp@worldnet.att.net>
- 13) [5221] FOX:AA1MY Prelim Sig Report  
by N9DD <N9DD@aol.com>
- 14) [5222] Re: FS: Tandy Model 100 "QRP Computer"  
by Dave & Connie Matthews <dmatt@frontiernet.net>
- 15) [5223] Re: Fox Spot  
by "Ken Hanks" <kennfd@ibm.net>
- 16) [5224] FOX: Looooong it is...  
by N9DD <N9DD@aol.com>
- 17) [5225] Fox Spot on 7.041.90  
by "tom palmer" <n1tp@worldnet.att.net>
- 18) [5226] Fox Audio Files.  
by Jess Gypin <jessqrp@concentric.net>
- 19) [5227] The Not So Last 38Spec Sold To #66

- by destimson@juno.com (Dick Stimson)
- 20) [5228] "Seab" Report (Thanks, Fox!)  
by kb9iua@juno.com (Kevin L Anderson)
- 21) [5229] FOX DRIFTING UP AROUND 7.04+  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 22) [5230] Near panic with my new RF probe  
by Gardner / Maguire <bagardn@ibm.net>
- 23) [5231] Re: Near panic with my new RF probe  
by Monte Stark <ku7y@dri.edu>
- 24) [5232] Re: FISTS Buro  
by GERALDCUND <GERALDCUND@aol.com>
- 25) [5233] QRP on the NCJ Cover!  
by Monte Stark <ku7y@dri.edu>
- 26) [5234] Re: [CQ-Contest] Logging "QRP, or Mobile" contacts  
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
- 27) [5235] Re: [CQ-Contest] Logging "QRP, or Mobile" contacts  
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
- 28) [5236] Re: Near panic with my new RF probe  
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 29) [5237] Re: [QRP] Siera Wilderness Radio  
by Jess Gypin <jessqrp@concentric.net>
- 30) [5238] Re: QRP Rig Idea  
by n3fel@juno.com (Howard D Rubin)
- 31) [5239] ZL7DK  
by minie@ed11a.msfc.nasa.gov (minie)
- 32) [5240] OHR 100A for sale  
by Stephen Gibson <SWGibson@worldnet.att.net>
- 33) [5241] Test (my server thinks qrp-1 is spam!)  
by "ukii" <ukii@megsinet.net>
- 34) [5242] Elmer101/SW-40+ status report  
by Bensondj@aol.com
- 35) [5243] Revision/Pixie 'Test Winners  
by Randy Hargenrader <randyh@harksystems.com>
- 36) [5244] Long Wire Antenna Length for 40 M  
by ji3m@maxwell.com (James R. Duffey)
- 37) [5245] FS \*\*\* two crippled computers.....  
by k8cv@juno.com
- 38) [5246] Re: Revision/Pixie 'Test Winners  
by Ed Loranger <we6w@qsl.net>
- 39) [5247] T-T Century 21 and keyer are sold  
by Dave Redfearn <n4elm@ipass.net>
- 40) [5248] FT-101Z Mk1 info sought  
by "Peter Orban" <peter@peter237.imti.nrc.ca>
- 41) [5249] Re:Mobile Ant  
by "Mark W. McCann" <mwmccann@centuryinter.net>
- 42) [5250] Re: QRP Rig Idea  
by Steven Weber <kd1jv@moose.ncia.net>
- 43) [5251] No AA1MY from here!

by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>  
44) [5252] 3-turn 1k pot needed  
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>  
45) [5253] Re: AA1MY Fox  
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>  
46) [5254] ADVENTURE RADIO SOCIETY WANTS YOU!  
by Russ Carpenter <russ@natworld.com>  
47) [5255] info about short verticals  
by John McKee <JMckee@RFMD.com>  
48) [5256] Apology  
by ji3m@maxwell.com (James R. Duffey)  
49) [5257] Antenna Phasing  
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>  
50) [5258] Re: AA1MY Fox  
by Ed Loranger <we6w@qsl.net>  
51) [5259] Re: Dxpedition operating question (fwd)  
by Paul Erickson <paul1@wizard.ucsfu.ca>  
52) [5260] Re: Apology  
by Chuck Carpenter <w5usj@webwide.net>  
53) [5261] Drifting Index Labs QRP+  
by Sam Billingsley <SBillingsley@usaninc.com>  
54) [5262] Re: W3EDP vs. Dipole  
by "Wayne Barnhart" <wb7whi@triax.com>  
55) [5263] Book:you all should have  
by "James C. Owen, III" <owen@piper.eeel.nist.gov>  
56) [5264] Need: Radiokit 75m ssb info  
by cooper@gmpvt.com (Tom Cooper)  
57) [5265] 10M SSB RIGS:FUTURE?  
by kreinbd@ccgate.dl.nec.com (David Kreinberg)  
58) [5266] Re: Book:you all should have  
by Laura Halliday <ve7ldh@direct.ca>  
59) [5267] QRP Wattmeter Enhancement  
by Charles Kadesch <chas@digizen.net>  
60) [5268] Re: 10M SSB RIGS:FUTURE?  
by Rich Mulvey <mulveyr@mulveyr.roc.servtech.com>  
61) [5269] RE: Antenna Phasing  
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>  
62) [5270] Re: W3EDP vs. Dipole  
by "Bob Kellogg" <ae4ic@nr.infi.net>  
63) [5271] Re: Near panic with my new RF probe  
by nilsbull@juno.com (Nils R Young)  
64) [5272] Fw: ZL7DK  
by "Ron Polityka" <wb3aal@talon.net>  
65) [5273] Re: Revision/Pixie 'Test Winners -- tnx de N4UY  
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
66) [5274] DCTL antenna references  
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>  
67) [5275] Re: Dxpedition operating question (fwd)

by "Bob Duckworth" <wb4mnf@atl.org>  
68) [5276] Re: Near panic with my new RF probe  
by Gardner / Maguire <bagardn@ibm.net>

-----  
Date: Tue, 3 Mar 1998 19:31:57 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:JLarsen@alascom.att.com" <JLarsen@alascom.att.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>,  
QRP-L Discussion Group <QRP-L@lehigh.edu>  
Subject: [5209] Fox Coordination  
Message-ID: <199803031934\_MC2-3568-D482@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Jim:

Of course The Chuckster is the shot-caller. But you know what, we in the Lower 48 are avidly awaiting your run :-).

Chuck recently published an update to the General+ sked. In it he said something about waiting to hear about Jim AL7FS and a possible makeup for KR3Z.

Wow!!-here's hoping it can work out. Sunday will be just perfect for me and I suspect all FOX hunters. Might even be possible for DXers to get in your log.

72/73,  
--Doc Lindsey/K0EVZ                   Rochester, MN--Home of the Mayo Clinic.  
MWBC  
519-16th Street SE  
Rochester, MN 55904  
507/289-5108 (eves)

-----  
Date: Wed, 4 Mar 1998 00:36:58 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: JLarsen@alascom.att.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [5210] Re: Fox Coordination  
Message-ID: <199803040036.AAA16929@chuck.dallas.sgi.com>

Jim,

Go ahead and operate on Sunday night as planned. The other fox should be in the 7.122 to 7.145MHz range. No fox activity shall be counted in the 7.030 to 7.050 range unless previous scheduled as per the posted schedule.

You are correct.

dit dit es gl

Chuck Adams K5FO Dallas,TX CP-60  
<http://reality.sgi.com/adams> adams@sgi.com

-----  
Date: 3 Mar 1998 17:47:12 -0700  
From: W0rw@kktv.com  
To: qrp-1@Lehigh.EDU  
Subject: [5211] Sierra on 160KHz  
Message-ID: <199803040042.TAA84186@nss4.cc.Lehigh.EDU>

Hi Steve, i have already built a Sierra module for 160KHz.  
The receiver works Ok, but the Tx doesn't work, coupling caps are too small, an external connection would be required for transmit...  
Another project doomed...  
Paul w0rw

-----  
Date: Tue, 3 Mar 1998 15:47:24 -0900  
From: "Larsen, Jim" <JLarsen@alascom.att.com>  
To: "'adams@chuck.dallas.sgi.com'" <adams@chuck.dallas.sgi.com>  
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Subject: [5212] RE: Fox Coordination - AL7FS  
Message-ID: <EAAF194D47B2D11189E6006097E5893A077698@alascomexca.alascom.att.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Yikes, I am not planning on operating this next Sunday (March 8) unless I hear from Dan, KL7Y. I have a call in to him but I meant I need to operate generically on "a" Sunday this month. ASAP of course, but I have to meet Dan's schedule.

Thanks,

Jim, AL7FS

> -----Original Message-----

> From: adams@chuck.dallas.sgi.com [SMTP:adams@chuck.dallas.sgi.com]

> Subject: Re: Fox Coordination

>

> Go ahead and operate on Sunday night as planned.

-----  
Date: Tue, 3 Mar 1998 19:45:28 -0500

From: "Ron Polityka" <wb3aal@talon.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [5213] Address

Message-ID: <01bd4706\$d3de9ec0\$375445c6@default>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello Everyone,

Does anyone have the address for the following company?

Industrial Communication Engineers, LTD.

Thanks for any replies!

73, Good DXing & QRPing

Ron de WB3AAL

E-mail: wb3aal@talon.net

BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173

QRP-L # 1099 G-QRP # 3031 AK QRP # 309

-----  
Date: Tue, 03 Mar 1998 16:55:36 -0800

From: Norm Melick <henmel@postoffice.worldnet.att.net>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [5214] Replacement Parts  
Message-ID: <34FCA688.C19FE101@postoffice.worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have scoured the Internet looking for a replacement for the 2SC3356 transistor, and a 32 pin, 128x8 SRAM, Samsung part #KM681000.

If anybody out here has a good replacement for the 2SC3356, and a source for the IC as well, I'd really appreciate an e-mail.

Thanks alot,

Norm

-----  
Date: Tue, 3 Mar 1998 19:57:58 -0500  
From: "James Fielden" <fielden@utkux.utcc.utk.edu>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [5215] Trip To TenTec  
Message-ID: <01bd4708\$92a5ece0\$3013a980@galaxian>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello All,  
Just thought I would let everyone know I toured TenTec today. Wow what great guys they are, I just showed up about 1:00 with a fellow ham (KC4TIQ) and ask if we could look around. We were introduced to Scott W4PA, he took us through the factor from ground up, I seen TenTec from all angles. It was really great to see how they build their gear, kinda like old fasion real hard to kill gear!!! The Electronic Assembly room is a work of art, and oh well I touched someones New Omni 6+ long before they will get their hands on it :) After the tour, which must have lasted about an hour we went into the gear room, they have the Omni6+ and a Scout set up and you can try them out if you want! Kits hanging on the wall, and Much Wall space taken up with Rigs from TenTec's History. I must say I had a load of fun going to TenTec, and we even talked a bit about QRP-L "TenTec had nothing but good stuff to say about us :)". I didn't buy alot, I picked up a BFO #1050, Keyer #1553, and Receiver #1054 T-Kits to play around with.

It was just really nice to visit the factory and see all of this in action. If you're ever in East-Tennessee make it a point to visit TenTec, they will

Jim, KC4SMH  
fielden@utkux.utcc.utk.edu

THANKS, ALL, FOR THE HINT... I'LL WORK UP AROUND 7.04+ AND SEE  
WHAT HAPPENS. SURE SEEMS STRANGE TO DIDDLE A KEY AGAIN! 72 =S=

Date: Tue, 3 Mar 1998 20:22:15 EST  
From: RangerSF5 <RangerSF5@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [5217] FOR SALE/ QRP  
Message-ID: <5b61e827.34fcacc9@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I have for sale the items listed below listed below  
MFJ 30 meter cw 100% mint condition \$100.00  
With keyer>>>>>>>>>>>>>>>>\$125.00  
With keyer and filter>>>>>>>>>>>>>\$150.00  
Any way you want it  
The options \$ 25.00 each  
Bob  
WA2H00



-----  
Date: Tue, 3 Mar 1998 15:34:14 -0500  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: "qrpforum" <qrp-l@Lehigh.EDU>  
Subject: [5218] Re: W3EDP vs. Dipole  
Message-ID: <199803040125.UAA12582@mailhost.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Doc,

My book says it's needed on 40M, 20M and 15M and not needed on other bands.  
Of course, If the tuner will tune with/without the counterpoise, it  
doesn't make any difference. Might be a little more efficient used as  
recommended.

Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not nececelery. -- Benny Hill

-----  
> Several guys wrote about the counterpoise. Though the theory is that  
> you only need the 17' counterpoise on 40 and lower...in some instances  
> I needed it even on 20. So who knows?

-----  
Date: Tue, 3 Mar 1998 20:38:57 -0500  
From: nilsbull@juno.com (Nils R Young)  
To: QRP-L@Lehigh.EDU  
Subject: [5219] Investment capitalism & they video taped killing Kenny!  
Message-ID: <19980303.204248.6726.0.nilsbull@juno.com>

Tavarishiy!

Ok, ok, it ain't the acrylic alphabet but it'll have to do. After all,  
we're all capitalists now, right? I mean, even the picture of Chairman  
Mao can see the McDonald's stand, no?

So I go over to Roger's house of surplus electrons and pick up some tape  
to put my headlights back together with and a Hamvention ticket. Cost me  
\$15. Hear it's \$20 at the door. Yipes! Made me want to go over to Beijing  
and see the McDonald's Stand of Good Soldier Yi Feng or whatever his name  
is. Money big time. Ain't spent that much cash on fun since I took the  
hippie rerun underage love goddess from bubble-gum hell to the J. Geils

Band concert.

Like, fer sure, dude.

So that's \$15 for the tickee and \$22 for the banquet and who knows how much stuff I'll buy, even if my son promises to make it all go for me. Which he will have to do if I go to the "upgrade my computer" whine, as opposed to the "I want another radio, mommy" whine.

"You can make it go. You can make us strong." Stupid star trek characters.

Guess I can't complain. At least I don't have to get a visa and pay extra money to get on a 18 hour flight from someplace where my kind of eccentricity is passed off as another sign of italo-celtic inbreeding. (Which is the joke we play at work . . . which is another story.)

And who's the guy around 10125 who keeps running that cricketty chirping stuff? Like off and on for the past couple evenings he's been there, chirping. Sometimes you can hear somebody trying to test a set of paddles or something over the top of the chirping, but mostly it's just "znert znert znert" for a couple minutes & then he's gone.

If I wanted crickets, I'd get on the plane and take the 20 hour flight to somewhere where it's played proper. (Which reminds me: I got a whole pile of really good cricket match pictures off the web today. Guess you know the next weird page that I'll be adding.) Also heard recently about a Bangladeshi player who took a ball mid off in the forehead. Like ridin' a bicycle without a helmet, that kind of stuff. Keeps me in the spectator stands, that.

73

Nils

-----  
Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch  
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com  
<http://www.fortunecity.com/victorian/mehetebell/94>

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You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]  
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Date: Tue, 3 Mar 1998 09:33:26 -0500  
From: "tom palmer" <n1tp@worldnet.att.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [5220] Fox Spot  
Message-ID: <19980304023226.AAA10175@default>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Seab, AA1MY, is around 7.040.20 with lots of QRM all about. Tom, N1TP, Naples, FL. K5OI was pounding into FL 579 at around 0220 UTC when he snagged the Fox.

-----  
Date: Tue, 3 Mar 1998 21:34:44 EST  
From: N9DD <N9DD@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [5221] FOX:AA1MY Prelim Sig Report  
Message-ID: <3b9a264f.34fcbdc6@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Wow! I just worked Seab at 0223 UTC. He had a great signal into Northern Indiana. He was 569-579 and sounding FB. I did hear one deep fade but his signal came back up strong. Hopefully, conditions will hold past his 0300 start time.

Let's all keep our fingers crossed that 40 doesn't go looooooong tonight.

Tom N9DD  
South Bend, IN

-----  
Date: Tue, 03 Mar 1998 20:30:38 -0600  
From: Dave & Connie Matthews <dmatt@frontiernet.net>  
To: qrp-1@Lehigh.EDU  
Subject: [5222] Re: FS: Tandy Model 100 "QRP Computer"  
Message-ID: <199803040133.UAA133084@node21.frontiernet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

David Feldman <dgf@netcom.com> wrote

>nq2rp@juno.com (B/BAMS Club Station) writes,  
>hi Keith :-)  
>>Well, not really, but it only takes four "AA" batteries. The Model 100  
>>is a laptop with a 40-column LCD display. It has 16K of RAM (battery  
>>backed-up), BASIC and a terminal program built in. Perfect for a BASIC  
>>logger, Packet/PACKETOR/AMTOR/RTTY terminal or whatever for your portable  
>>operation.  
>  
>Can't resist... a more modern QRP Computer is the HP OMNIBOOK 300, which  
>also runs off 4 AA cells, but does DOS5 and Windows 3.1 and weights  
>2.8 pounds and is not expensive when bought used. Definately in the spirit  
>of the Model 100!

And if you want to go seriously upscale....

My Newton 120 recently blew its cookies and needed replacement.  
It didn't hurt that the rumors were that Apple was going to  
dump the product line so I went over to the dark side (Microsloth).  
Newton as a product died last Friday.

You can currently buy a Philips Velo 1 for \$370 from ClubPDA. A  
little cheaper if you go with one of the outfits that uses an  
answering machine for taking orders. This is a WinCE 1.0 4mb  
computer that is shortly (next 2 weeks or so) going to be upgraded  
to WinCE 2.0. I got a note from Philips tonight saying that they  
are going to ship the upgrade ROM with an 8mb RAM upgrade. The  
only ham software I have found is a morse program but I think that  
you should be able to hack up whatever you want in VB or VC++.

The only real problems that I have seen mentioned with the Velo  
are the slow upgrade to WinCE 2 and the hinges on the case failing.  
Philips replaces machines until you are out of warranty and then  
JB Weld seems to be the suggested solution.

If you are interested start at [www.velo.philips.com](http://www.velo.philips.com) and move on  
over to [www.cnet.com](http://www.cnet.com) to go shopping. Mine came from [www.clubpda.com](http://www.clubpda.com).

Dave  
KB2YWT

-----  
Date: Tue, 3 Mar 1998 22:15:47 -0500  
From: "Ken Hanks" <kennfd@ibm.net>

To: <n1tp@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-  
l@lehigh.edu>  
Subject: [5223] Re: Fox Spot  
Message-ID: <01bd471b\$d3aa89e0\$ca7f2581@kh>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

NG with the fox here. I am about 20 miles east of Seab and can barely make  
out his signal. Of course I am on the back side of his wire beam. Lots of  
stations booming in here. Looks like Seab has his work cut out for him.

Still have time to put the Emtech in the car ...

Ken K1XS@ibm.net

-----  
Date: Tue, 3 Mar 1998 22:32:57 EST  
From: N9DD <N9DD@aol.com>  
To: QRP-L@Lehigh.EDU  
Subject: [5224] FOX: Looooong it is...  
Message-ID: <8da41f91.34fccb6b@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hey Seab! Why didn't you start an hour sooner?

I tuned in at 0300 to find the hunters pounding in, but no Seab...

Why couldn't I have had conditions like this on my last stint as Fox? - KU7Y,  
N6WG, AB7TT... I heard all you guys at 579 or more. Every one of you had a  
signal that stood out as clear as a bell - easy pickin's.

I'm sure Seab will have a good run - lots of 5, 6, and 7 stations. For us east  
of the Mississippi, it might be a tough night.

73,

Tom N9DD  
South Bend, IN

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Date: Tue, 3 Mar 1998 10:38:34 -0500  
From: "tom palmer" <n1tp@worldnet.att.net>  
To: <qrp-1@lehigh.edu>  
Subject: [5225] Fox Spot on 7.041.90  
Message-ID: <19980304033730.AAA2945@default>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

The Fox, Seab, AA1MY, in Ct., is on 7.041.90. 72, N1TP, Tom, Naples, Fl.

-----  
Date: Tue, 03 Mar 1998 21:09:35 -0700  
From: Jess Gypin <jessqrp@concentric.net>  
To: qrp-1@Lehigh.EDU  
Subject: [5226] Fox Audio Files.  
Message-ID: <34FCD3FF.1C6539F8@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi all,

I did manage to capture a couple of fox audio files last night. They are available at the fox audio web page at

<http://www.qsl.net/n0tffi>

I am not sure that I will be able to get any more files this season as work has kept me away from a lot of the last hunts. Grab them and enjoy!

Best

--  
Jess N0TFI <><  
<http://www.concentric.net/~jessqrp> Personal Home page  
<http://qsl.net/N0TFI> Fox Audio Page

-----  
Date: Tue, 3 Mar 1998 22:11:35 -0600  
From: destimson@juno.com (Dick Stimson)  
To: qrp-1@Lehigh.EDU  
Subject: [5227] The Not So Last 38Spec Sold To #66

Message-ID: <19980303.221148.6606.2.destimson@juno.com>

Many thanks to all of the "Brave Hearts" that responded to my offering !! I was shocked and overwhelmed at the number even up to this last hour !!! With (1) exception, everyone appreciated my humble efforts at fairness, and so number "66" got it. Why "66" I was curious also; so after several minutes under the hot lights and intense questioning the XYL confessed her fondness for "Old Route 66" (the Mother Road) that runs through our grand state and that was it !!

I was devastated and prostrate with grief, to learn that mine was NOT the last remaining kit on earth !! Many thanks also to those "Stout Hearts" who sent me personal notes about their lives and how the 38 Spec. kit had changed them. I had several hours of merriment and jocularly going through them. Some loved it and others were not so in love. A few sought spiritual guidance, others were afraid to tell their ham friends that they still possessed an un built kit; and a couple of poor souls found that Lithium now helped them through their dark days of melancholy, having built their kits with no success at all !! One fellow wrote to say that not only did he have an un built 38 spec; BUT also an un built 49"er kit. He intended to finance his retirement with them, move to Florida, purchase a yacht equal to Donald Trump's and spend his Golden Years enjoying QRP while wafting about on the greatest ground plane of all : the sea !!!

I do need one more bit of help however; me and Ma need a ride to California this Spring ! No, I'm not going out there to pick and or pit Peaches; I just want to go to a NorCal meeting ! We will be standing along side of "Old Route 66" and you will be able to identify me from the blue baseball cap I wear which says, "just say NO to QRO"

Keep the humor in QRP !!!!

72's Dick KK5XO Edmond, OK

---

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Date: Tue, 03 Mar 1998 23:26:42 EST  
From: kb9iua@juno.com (Kevin L Anderson)  
To: sslyon@worldnet.att.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [5228] "Seab" Report (Thanks, Fox!)  
Message-ID: <19980303.222926.7831.0.kb9iua@juno.com>

Group:

Seab is on calling CQ around 7.042 at 0415.

Seab:

Cool, Man. Thanks! You were knocking the ears out in Illinois for about 30 minutes (roughly 0310 to 0345). 599+++ . Then you disappeared, literally, for 20 minutes. You came back strong again at 0405. Got you 0408, which was nice as you had the partial call. I can still dance. (My wife knows when I get a fox -- there is this "shout" in the basement that comes up through the floors and a definite bounce in the step when I come upstairs!). Had a VE5 banging my ears off about 0400 when the band was coming back my way, so I knew I had a chance again. Must have been some tightly bunched pockets of ionized atmosphere swirling up there (my scientific assessment, of course :-).

Cheers/73. Kevin, KB9IUA, going to bed with a bounce in my step!

\*\*\*\*\*  
Kevin Anderson, KB9IUA, Rock Island IL USA  
kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil  
\*\*\*\*\*

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-----  
Date: Tue, 3 Mar 1998 23:38:22 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:SSLYON@worldnet.att.net" <SSLYON@worldnet.att.net>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>,  
QRP-L Discussion Group <QRP-L@Lehigh.EDU>  
Subject: [5229] FOX DRIFTING UP AROUND 7.04+  
Message-ID: <199803032340\_MC2-3568-563C@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Seab:



Many thanks for digging me out tonight. Great job all the way around. You were a solid 559/569 for at least the first 40 minutes. As always it was a thrill to hear you come back.

Setup here was a Benson NN1G SW-40 at 1.6 watts out. Antenna = HB 66' dipole at 28' centre-fed with 300-ohm window line. Tuner = Emtech ZM-2.

Have been gradually decreasing power in recent FOXhunts. Scary, though, especially tonight--as I had never used this particular rig! No DSP, no filters--only the basic transceiver. All you can do with it is QSO. Hmmm.... Sure worked FB tonight here at K0EVZ :-).

Seemed to me the pack was very well behaved. Once you zeroed in on someone...the hunters let you complete the QSO. It was outstanding, and I want to congratulate everyone. This hunt seemed to me to be a tribute to the whole spirit and intent of QRP and FOXhunting. Way to go, guys!

72/73,

--Doc Lindsey/K0EVZ            Rochester, MN--Home of the Mayo Clinic.  
MWBC  
519-16th Street SE  
Rochester, MN 55904  
507/289-5108 (eves)

-----  
Date: Tue, 03 Mar 1998 20:48:09 -0800  
From: Gardner / Maguire <bagardn@ibm.net>  
To: qrp-l@Lehigh.EDU  
Subject: [5230] Near panic with my new RF probe  
Message-ID: <34FCDD09.62DF@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang:

Thanks to a recent tip on this list I picked up one of those Fluke 85 RF probes for 20 bucks. Yes, I could have built one out of junk box parts, but I figured that any piece of gear that is just a diode, capacitor, resistor, and a few feet of shielded cable that retails for \$100 must be pretty accurate/calibrated/shielded/whatever. Either that or I've been in the wrong business all my life. (Interested? Talk to Kevin at Radar, Inc in Seattle, 206-282-2511. Nice guy. They take plastic. I have no connection, yada, yada.)

Thanks to another posting I made sure that the input impedance of my DVM was the expected 10M ohms on the voltage range I would be using.

OK, now it was time to measure my rig's output power. My SWR/pwr meter (unfortunately -not- an OHR WM-1/2) has power scales of 5 watts, 20 watts, and 200 watts. (I have no idea what the 200 watt scale would ever be used for. Maybe to calibrate my QRP oven when baking QRP cookies or something.) Anyway, I had my rig adjusted to read exactly 5 on the 20 watt scale, which gave a reading of 4.1 on the 5 watt scale. Needless to say I was never quite sure just exactly how much I was putting out, but didn't want to "cheat".

So I put my neat new toy across my dummy load (via a coax T connector). Five watts across 50 ohms should give an rms voltage of 15.81. And what do I get? 16.10 volts. Oh no! Panic! All this time I've been putting out 5.19 watts. That means my rig and log book will be confiscated by the QRP Police. (They're out there, you know. And it's not just Nils who sees 'em.) Worse yet, I'll have to start all over again on QRP WAS (Just got #50); 2xQRP WAS (Still need a few of those tiny "back East" states with a total ham population less than the number of yuppies in the local Starbuck's on a rainy day); and QRP DXCC (Still need ... well, a bunch <brag mode on> even though I did bag KH9 the other day. DX chasers check out their web site at [www.goldtel.net/ddxa](http://www.goldtel.net/ddxa) <brag mode off>).

But wait! What if my 50 ohm dummy load is not really 50 ohms? With trembling fingers I measure it, after making sure my DVM was accurate by measuring some 49.9 ohm 1% resistors. Yes!! 52.6 ohms. 16.10 volts across 52.6 ohms is 4.93 watts. Salvation!! (And note that the total impedance, Z, of the dummy load is probably ever so slightly greater than the 52.6 ohms of resistance. There's bound to be just a bit of stray reactance somewhere cuz it's not some \$1000 laboratory grade dummy load. That makes the power just a gnat's wing smaller than 4.93 watts. OK, the DVM might not be exactly 10M ohms input impedance, which means the voltage reading is not the true rms voltage. And the DVM voltage reading itself might be slightly off. Geez, I ain't runnin' no mil-spec operation here. <g>)

Then despair again. The rig was connected to the dummy load by about 3 feet of RG-8X cable. There'd be some normal matched line loss in the cable, plus a tiny bit extra due to the very small mismatch at the load (52.6+j? ohm load on a  $Z_0$  52-j0.74 ohm <at 7.040 Mhz> cable). That might mean that the actual power out of my rig was greater than 5 watts, even though it was less than 5 by the time it got to the dummy load. I'd have to hide from "them" again. But running the numbers I see that there is a total loss of 0.022 dB in the cable, which gives an input/output power ratio of 1.005:1. So the 4.93 watts at the dummy load translates to 4.95 watts out of the rig. Glory be! I'm "legal"!! Hot

dogs!!!

OK, I admit this whole thing was mostly a tongue-in-cheek exercise in hair splitting. But I had fun with it so thought I'd share it with the group.

Now for a brief commercial message. I used the ZIZL program to help with some of the number crunching. That program and several others are available on Jerry Parker's NorCal web site for download. See

<http://www.fix.net/~jparker/norcal/software/software.htm>

All are freeware, so your purchase price will be cheerfully refunded if not 100% satisfied.

73,

Dan AC6LA

NorCal land

-----  
Date: Tue, 03 Mar 1998 20:57:33 -0800  
From: Monte Stark <ku7y@dri.edu>  
To: bagardn@ibm.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [5231] Re: Near panic with my new RF probe  
Message-ID: <34FCDF3D.954A3267@dri.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Dan and all,

Glad to hear you are legal! :-)

I also got one of the probes. Good value.

I do have an advantage. I have one that I bought for work a few years ago and it came with a little data paper.

One thing it says is:

"The 85RF is compatible with any dc voltmeter that has an input resistance of 10 megohms, + or - 10%. Voltmeters with higher input resistances can be used if an external shunt is placed across their input terminals. The shunt value is selected to reduce the input resistance to 10 megohms."

Now just check your meter and adjust as needed! (Ask Chuck how to check

your meter if you missed his post a couple of days ago!)

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M  
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49  
AR QRP #150-----DM09cg-----New Washoe City, NV

-----  
Date: Wed, 4 Mar 1998 00:05:45 EST  
From: GERALDCUND <GERALDCUND@aol.com>  
To: mike@krypton.nmr.Hawaii.Edu  
Cc: qrp-l@Lehigh.EDU  
Subject: [5232] Re: FISTS Buro  
Message-ID: <1d34ddad.34fce12c@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

The FISTS QSL Bureau address is:

K4UK  
1020 Long Island Dr  
Moneta VA 24121

Stan (K4UK) with the assistance of the Franklin County Amateur Radio Club handle the FISTS QSL BUREAU. FISTS members should keep SASE on file to receive cards from the Buro. Place your Callsign in large letters in the return address portion of the envelope.

Gerald,KE4LIA  
Qrp-L # 1426  
Norcal # 1827  
ARCI # 9283  
FISTS # 2143

-----  
Date: Tue, 03 Mar 1998 21:53:32 -0800  
From: Monte Stark <ku7y@dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [5233] QRP on the NCJ Cover!

Message-ID: <34FCEC5C.A372D315@dri.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi All,

Who says QRP is getting overlooked?

The March/April issue of the NCJ (National Contest Journal) has a picture of a fantastic QRP station used my WB6FZH/KH6 QRP in the 1997 ARRL 160m contest!

Send my your picture of a QRP Contest Set-up. I like having pictures in my column. This issue there is one of W7DRA/C6A in the 97 ARRL DX CW Contest. Mike is using a 6AG7 Xtal rig but with a 6L6 final! Not quite QRP but close! His RX was a 6AU6 converter into an ARC5 used as an 85 khz IF strip!

You ask why is a non QRP rig in my QRP contesting column? Well, it's because I didn't have one of you to send in and the editor had a bit of space to fill. The picture filled it just right!

So send my your pictures!! Lets show the QRO world that we have fun!

You can get more info on the NCJ by going to their web page:

<http://www.waterw.com/~ncj/>

And if you see something you like in the NCJ, send a letter letting us know. Or if there is something you would like to see, let us know.

OBQRP:

Got the fox here tonight. One of the better pile ups that I've heard. Lots of stations but all under control. Reach around and pat yourself on the back....ya done gud!!

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M  
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49  
AR QRP #150-----DM09cg-----New Washoe City, NV

-----

Date: Wed, 04 Mar 1998 07:36:31 -0800  
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>  
To: QRP-L@Lehigh.EDU  
Subject: [5234] Re: [CQ-Contest] Logging "QRP, or Mobile" contacts  
Message-ID: <34FD74FF.4ABE@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Regarding the comment by Monte "Ron" Stark, KU7Y, in which he stated, "I have been told that the ARRL requires the QRP to be shown after the call on cards for WAS. (I have not checked this out for myself). If it's true, how do we get it there?"

This is not my understanding. I just submitted a 160m WAS and will soon submit a QRP WAS. The rules as contained in ARRL form MSD-217(9/96) recently downloaded from their web site read as follows:

"ENDORSEMENT stickers for the basic mixed mode/band award and any of the SPECIALITY awards are available for SSB, CW, Novice, QRP, Packet, EME and any single band except 30 meters. The Novice endorsement is available for the applicant who has worked all states as a Novice licensee. QRP is defined as 10 watts input (or 5 watts output) of the applicant only and is affirmed by signature of the applicant on the application."

The above paragraph is the only reference in the rules to QRP. There is no requirement that "/QRP" appear on the QSL cards. Personally, I do not use the /QRP after my call; although when on a QRP calling frequency I will place a QRP with no portable indicator after my call the last time sent during a CQ. I do not knowingly dupe DXpeditions for the sake of a QRP QSO. If I cannot work the DX station on a band with QRP and I turn on the big rig to work them, then I feel I have forfeited the opportunity to work them with QRP. I'll settle for trying on another band.

73, Harvey, N6MM. QRP ARCI #51

-----  
Date: Wed, 04 Mar 1998 07:47:43 -0800  
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>  
To: QRP-L@lehigh.edu  
Subject: [5235] Re: [CQ-Contest] Logging "QRP, or Mobile" contacts  
Message-ID: <34FD779F.54F6@earthlink.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Oh my! My apology. The previous message with the same subject should have gone to the CQ-Contest reflector rather than the QRP-L. Sorry for the bandwidth. 73, Harvey, N6MM.

-----  
Date: Wed, 4 Mar 1998 07:46:26 -0500 (EST)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: Gardner / Maguire <bagardn@ibm.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [5236] Re: Near panic with my new RF probe  
Message-ID: <Pine.GS0.3.96.980304073852.20742D-100000@larry>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dan,

That weren't no hair-splitting exercise. It war just good test procedure. Too bad you could not measure the actual reactance of the dummy load, cuz there are big smidgeons and little smidgeons of reactance.

What you did for the power output is sort a standard procedure for receiver testing, with milli and micro appended in front of all units. And just that kind a finickiness is necessary to make filters filter what you want them to filter and not what you want to get through them.

Just about good enough ain't--if you got the means to make it really good--or even better. Biggest cost was not the test gear, but the time it took to be real careful.

It's a gooder lesson--hope folks take it to heart. Even if a couple of folks have to return their KM/W certificates because the power was 4.93 w and not 4.93 w.

And ZIZL should be a hot freeware item--it's good.

-73-

LB, W4RNL

-----

Date: Wed, 04 Mar 1998 05:31:17 -0700  
From: Jess Gypin <jessqrp@concentric.net>  
To: k7sz@juno.com, qrp-1@Lehigh.EDU  
Subject: [5237] Re: [QRP] Siera Wilderness Radio  
Message-ID: <34FD4995.12D38168@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

k7sz@juno.com wrote:

> I have used the Sierra for the last 2 years. My original Sierra was the  
> 40 meter station at the Zuni Loop FD site in the San Gabriel Mtns in  
> 1966.

You must have had truly the first Sierra ;-) at over 30 years old, it must be reliable;-)

> About the only down side is winding all those damned torrids.  
>  
> For further info on this rig check out the June 1996 issue of QST for a  
> run down of QRP kits done by myself and Rick Lindquist. This article  
> features ARRL lab test results on the Sierra, NC-40 and several other,  
> lesser radios.  
> ^^^^^^^^^^^

I remember the same article and pulled it out to see again what all the hubub was about. I looked at all of the test spec, and if you base the above comment on power draw alone, then it could be true. If you are basing the above on performance specs, then there were several other rigs in the test that are so close that I would have a hard time saying that the Sierra and the NC40 are the best of the best. There are a lot of good radios out there, and the Sierra and the NC40 are near the top of the pile, just like Oak Hills, Emtech, and some of the others. I think that a lot of the radios have a kind of "mini" nitch in the market, and if you are looking for the lowest power use versus performance, then the Wilderness rigs are some of the first to consider. I have built or used most of the current rigs on the market and most all of them are great. The best part of all of this is that we are blessed with so many different choices now! And variety of types and makers is a good thing.

Best

Jess N0TFI <><  
<http://www.concentric.net/~jessqrp> Personal Home page



<http://qsl.net/N0TFI> Fox Audio Page

-----  
Date: Wed, 4 Mar 1998 07:43:13 -0500  
From: n3fel@juno.com (Howard D Rubin)  
To: wd9eyb@butler.indiana.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [5238] Re: QRP Rig Idea  
Message-ID: <19980304.074314.13478.0.n3fel@juno.com>

Jim,

How about using a light pipe to transmit the modulated/demodulated CW information from ground level. The QRP rig could be powered at antenna feedpoint by a battery charged by solar energy.

Regards, Howard, N3FEL

On Tue, 3 Mar 1998 12:44:30 +0500 (GMT-5) Jim Osburn  
<wd9eyb@butler.indiana.net> writes:  
>  
>I have had an idea for a QRP rig and I'm wondering if it's practical.  
>It also probably not original.  
>  
>The goal is to eliminate the feedline from the transceiver to the  
>antenna.  
>The advantages of doing this are easier and better antenna  
>installation,  
>lower loss, lower cost, and increased safety.  
>  
>These goals are met by mounting the transceiver at the antenna feed  
>point  
>and using a remote control link from the control point to the  
>transceiver.  
>Perhaps a modified wireless microphone can be used to link the audio  
>from the transceiver to the control point.  
>  
>The disadvantages of doing this are the need to haul a QRP rig and  
>it's heavy power source up with the antenna. Also, the QRP rig needs  
>to operate over an extended temperature range. Also, there will be an  
>increased need to lower the antenna for rig maintance. Also, the  
>transmitted signal will interfere with the control link. Also, there

>will be reduced receiver performance due to the need to link audio  
>from the transceiver to the control point. Also, the cost of the  
>control  
>link might exceed the cost of the eliminated feedline.  
>  
>Well, I thought of more reasons to not do it than to do it.  
>I guess it's not practical. But it was fun having the idea.  
>  
>Thanks,  
>  
>Jim, WD9EYB  
>wd9eyb@indiana.net  
>  
>  
>

---

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Or call Juno at (800) 654-JUNO [654-5866]

---

Date: Wed, 4 Mar 98 08:13:25 CST  
From: minie@ed11a.msfc.nasa.gov (minie)  
To: qrp-1@Lehigh.EDU  
Subject: [5239] ZL7DK  
Message-ID: <9803041413.AA00838@ed11a.msfc.nasa.gov>

Also on 10 at 28,025.5 very good sig in late  
afternoon, continuing till after dark at reduced  
strength. No one else on 10 at the time. Hit  
it! It will only take you a minute and it might  
be open. (Nobody noooooooooose what may be on there.)  
Hal, W4YNG

---

Date: Wed, 04 Mar 1998 05:04:22 -0500  
From: Stephen Gibson <SWGibson@worldnet.att.net>  
To: qrp-1@Lehigh.EDU  
Subject: [5240] OHR 100A for sale  
Message-ID: <19980304141846.AAA26163@DEFAULT>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Too many rigs, too little space. 20 meter OHRA 100A for sale. \$100. Perfect condition. Aligned by OHR since I don't have the tools. I'll pay shipping.

Thanks for the space.

73

Steve, WB4NBI

-----  
Date: Wed, 4 Mar 1998 08:41:57 -0600  
From: "ukii" <ukii@megsinet.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [5241] Test (my server thinks qrp-1 is spam!)  
Message-ID: <001701bd477b\$b0f2e5e0\$c54e85d0@ns1.megsinet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Sorry guys, but I haven't received qrp-1 in over 6 weeks...  
I believe my server's spam protection thinks this is spam.  
(((No Comments! HI))  
john

-----  
Date: Wed, 4 Mar 1998 09:50:29 -0500 (EST)  
From: Bensondj@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [5242] Elmer101/SW-40+ status report  
Message-ID: <980304095028\_1298996388@mrin54>

Hi gang-

(This is a status report on the design end of the Elmer101/SW-40+ project.)

\*The first prototype double-sided boards arrived about 10 days and checked out successfully (less 2 missing ground connections). A full-up (prototype-quantity) board order with solder masks and silkscreening went out Monday and should ship to me early next week.

\* All sole-source or long-lead parts are on order already, the turnaround on the production boards will be the pacing item. It's still looking good for March 31, I'll provide interim reports as we get closer.

\* Here's a summary of the functional changes which made it in:

1) Added power supply reverse-polarity diode.

2) The receiver front end is reworked to eliminate the original multiple-winding toroid.

3) The diode bridge T-R switch is replaced by a series L-C type. This drops resting power supply current from 22 to 16 mA and improves image rejection, especially on 30M.

4) The crystal filter grew from 2 to 3 crystals and changed configuration. Filter skirts are significantly better on 40M, equivalent on 30M but with much lower loss/ripple figures. A grounding point for the crystal cases is also added to reduce filter 'blow-by'.

5) Eliminated L0 trimmer capacitor and replaced with pads for select assortment. Replaced polystyrene caps with C0G monolithic caps for improved reliability. These two changes freed up some much-needed real estate, the select assortment is broad enough as to eliminate "turns-count tinkering"

6) Changed the TX bandpass filter to use 10mm IF transformers. This configuration allows use of the differential outputs of the NE612. Filter bandwidth is increased considerably over the original configuration. Harmonics are at -34 dBc or better, spurs -46 dBc or better (either band).

\* The toroid complement drops from 8 to 5.

\* The PA is a T0-220 device, it'll deliver more output power than the original. This change was made to eliminate the T0-5/T0-39 device packaging, which is becoming increasingly difficult to find. I'll post numbers later when I've finalized device selection and have a larger sample size for both 40 and 30M.

\*Improved interconnect functional grouping. The companion enclosure kit will provide locking .100" headers, with pre-assembled harnesses.

Please don't feel slighted if you don't see your favorite design modification listed above. Space was at a premium, thanks in large part to the new interconnect provisions, and some of my favorite candidates didn't make it in either.

The board size is unchanged- still 2.8" x 4.0", a drop-in replacement if you have the original enclosure kit.

I'm presently working on the manual, so that kits can ship to 'beta-testers' immediately upon arrival of the boards next week.

-----  
(For the newcomers and recent parolees, this is an update of the '40-40' project being used in concert with the 'Elmer101' course. I'll post information on product availability later this month.)

And a gentle reminder- send no money- we'll get there soon enough!

73- Dave Benson, NN1G

-----  
"We will sell no rigs before they're designed"  
E. & J. Gallo ; -)  
-----

-----  
Date: Wed, 04 Mar 1998 10:16:27 -0800  
From: Randy Hargenrader <randyh@harksystems.com>  
To: "klqrp@waterw.com" <klqrp@waterw.com>, qrp-1@lehigh.edu  
Cc: JakeCart@ix.netcom.com, kj5tf@mctc.com, we6w@qsl.net  
Subject: [5243] Revision/Pixie 'Test Winners  
Message-ID: <34FD9A7B.8D63F8C0@harksystems.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, the beginning of this contest had a bunch of revisions so the why should the finish be any different!? ;) Actually, the members of the KnightLites deferred winning prizes due to their association with the contest sponsor. (What a great bunch of folks!)

#### ANNOUNCING THE REVISED WINNER LIST OF THE 1997 PIXIE/49ER CONTEST

First prize in the Pixie High Scorer category,  
a Radio Adventures Digital Dial will be awarded to:

WE6W, Ed Loranger.

First Prize in the 49er Rig Category, a Tick Keyer, will be awarded to:

KJ5TF, Jim

First Prize in the A0 Category, a Tick Keyer, will be awarded to:

N4UY, Jake Carter

I would like to thank everyone for supporting and participating in this contest. It was a great experience!

--

73, Randy WJ4P

Knightlites QRP-L #296

-----  
Date: Wed, 4 Mar 1998 08:31:34 -0700  
From: ji3m@maxwell.com (James R. Duffey)  
To: MSU1972 <MSU1972@aol.com>  
Cc: qrp-l@lehigh.edu  
Subject: [5244] Long Wire Antenna Length for 40 M  
Message-ID: <v0213050ab12314760f16@[192.31.66.158]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

David - In response to your query;

"So...bottom line, Jim...What length random wire and counter poise should I =  
use  
with my NorCal 40A?"

Actually the W3EDP is not a bad combination if you have access to a low loss=  
tuner.

=20

If you are going to use a long wire for a single band;

=46or the NorCal 40A (and other operation on 40 M) I would recommend a half=  
wave on 40 M, or about 66 feet 6 inches. A quarter wavelength counterpoise=  
should be sufficient. That would be half the above length, or 33 feet 3=  
inches. (New Math is great isn't it)

You may wish to fold the counterpoise by making it out of out of 16 feet 1.5=  
inches (More new math) of twin lead with one end shorted. This will reduce=  
radiation from the counterpoise.

Of course all of the above lengths are subject to variation and should be=  
optimized empirically (Cut and try)

This will require a matching network (or tuner), as the feedpoint impedance=  
will be high.

By the way, you might also look into carrying a plain old dipole and an additional 33 ft length of wire for a portable combination. With this combination you have a variety of antennas at your disposal;

- a) The 40 M dipole
- b) A 40 M vertical with two radials. Erect one side vertically and the other side horizontally to form one radial. Clip the additional wire to the side being used as a radial and lay it out at 180 degrees to the other to form a second radial. The whole antenna forms an upside down T.
- c) A half wave long wire with the additional wire clipped to the end of one halves of the dipole. You will need a tuner for this.
- d) The "field day special" or the old 30 out and 30 up antenna. One side of the dipole is erected vertically, and the other horizontally so the whole thing looks like a L. The horizontal portion needs to be fairly high, say 15 feet or more, 30 feet is better, so this will only work if you have high supports. It is essentially a "ground plane" with only one radial. This combination gives horizontal and vertical radiation at both high and low angles, thereby making it ideal for making contacts at both long and short distances for a contest. There is some directivity, so point the horizontal portion in an interesting direction. John Belrose, VE2CV, gave this antenna the name "Field Day Special".

To save weight you don't need to pack insulators, just use nylon monofilament to tie off the ends. Use a sheet bend.

I hope that this helps. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Wed, 4 Mar 1998 12:09:01 GMT  
From: k8cv@juno.com  
To: qrp-l@Lehigh.EDU  
Subject: [5245] FS \*\*\* two crippled computers.....  
Message-ID: <19980304.155147.8790.0.k8cv@juno.com>

Now that we are on this thread.....both are laptops

Toshiba T-1000.....\$100 plus shipping .

Texas Instrument TI-4000E COLOR.....\$400 plus shipping.

Both are running just fine. If interested request more information!

Thanks

Walt K8CV k8cv@juno.com

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

---

Date: Wed, 04 Mar 1998 16:21:43 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: randyh@harksystems.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [5246] Re: Revision/Pixie 'Test Winners  
Message-ID: <34FD7F97.E62@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

This is just too good to edit!

Thanks Randy and all the knightlites!

This was a very special contest for me as I had just  
finished building this Pixie2 from junkbox parts.

I'd have more to say, but I'm getting a bit misty-eyed.

Thanks a bunch!

-Ed we6w

Randy Hargenrader wrote:

>  
> Well, the beginning of this contest had a bunch of revisions so the  
> why should the finish be any different!? ;) Actually, the members  
> of the KnightLites deferred winning prizes due to their  
> association with the contest sponsor. (What a great bunch of folks!)



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> KJ5TF, Jim  
>  
> First Prize in the A0 Category, a Tick Keyer, will be awarded to:  
>  
> N4UY, Jake Carter  
>  
> I would like to thank everyone for supporting and participating  
> in this contest. It was a great experience!  
> --  
> 73, Randy WJ4P  
> Knightlites QRP-L #296

--  
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Wed, 04 Mar 1998 10:46:53 -0500  
From: Dave Redfearn <n4elm@ipass.net>  
To: qrp-l@Lehigh.EDU  
Subject: [5247] T-T Century 21 and keyer are sold  
Message-ID: <34FD776D.8BE1D081@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The Century21 and KR-5 are sold.  
Thanks for the response.

73 - Dave.

=====  
Email: n4elm@NOJUNKipass.net (Remove NOJUNK to reply)

-----  
Date: Wed, 4 Mar 1998 11:42:56 -0500

From: "Peter Orban" <peter@peter237.imti.nrc.ca>  
To: qrp-l@lehigh.edu  
Subject: [5248] FT-101Z Mk1 info sought  
Message-ID: <9803041142.ZM6556@peter237.imti.nrc.ca>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I am looking at the above rig as my first (QRO) radio (I am a new ham), and have a couple of questions. This list is a lot more technically minded than other forums (that I have already exhausted), so here it goes:

- I was told by others that I should not touch anything except the Mk3 version with the WARC bands and digital readout. No one could tell me how easy is to add the WARC bands, or at least the 30m band. Is this possible and feasible at all? I only had a chance to look at the circuit diagram very briefly, and it was for a different version, for a ZD, is that equivalent to the Mk2?
- Is there a difference in terms of the front-end design (IMD, IP, dynamic range performance) between the Mk1 and Mk3 versions?
- Can the transmitter be adjusted to qrp levels on CW?

The radio looked in good shape, loaded the antenna o.k. on the various bands, and did not have the extra CW crystal filter.

Any other comments?

Please reply by e-mail, as this is not really qrp-l related.

Thanks, Peter, VE3PEY

--  
--

Peter E. Orban  
National Research Council of Canada  
e-mail: peter.orban@nrc.ca

-----  
Date: Sat, 28 Feb 1998 09:32:55 -0800  
From: "Mark W. McCann" <mwmccann@centuryinter.net>  
To: qrp-l@Lehigh.EDU  
Subject: [5249] Re:Mobile Ant  
Message-ID: <34F84A46.B4D04425@centuryinter.net>  
MIME-Version: 1.0  
Content-Type: multipart/mixed; boundary="-----90EFE42204DAC81C07CF035A"

This is a multi-part message in MIME format.

-----90EFE42204DAC81C07CF035A  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello

I have been using an Outbacker Pearth antenna on the roof of a pickup for several years now. It is a rather costly antenna but if you plan on running 5 bands the cost does not look so bad compared to 5 different loading coils for some popular mobile antennas. Hamstick antennas are rather inexpensive \$15.00 or so per band and they also work nicely. I use the Tri-Magnet mount on the roof of the pickup and it holds either the Outbacker or one of the Hamsticks with no problems.

Other options you might want to consider, a long whip antenna and an antenna tuner or the Bugcatcher and Screwdriver antennas for all band coverage. Just about any of these antennas with a tuner should work adequately for swl purposes.

Good Luck.....Mark/WA8VNZ  
wa8vnz@qsl.com

-----90EFE42204DAC81C07CF035A  
Content-Type: text/x-vcard; charset=us-ascii; name="vcard.vcf"  
Content-Transfer-Encoding: 7bit  
Content-Description: Card for 1 mark century mail  
Content-Disposition: attachment; filename="vcard.vcf"

begin: vcard  
fn: 1 mark century mail  
n: ;1 mark century mail  
email;internet: mwmccann@centuryinter.net  
x-mozilla-cpt: ;0  
x-mozilla-html: FALSE  
version: 2.1  
end: vcard

-----90EFE42204DAC81C07CF035A--

-----  
Date: Wed, 04 Mar 1998 12:38:01  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [5250] Re: QRP Rig Idea  
Message-ID: <3.0.3.16.19980304123801.2c5f240e@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>The goal is to eliminate the feedline from the transceiver to the antenna.  
>The advantages of doing this are easier and better antenna installation,  
>lower loss, lower cost, and increased safety.

>

I brought up this idea a while back and was resoundly shot down. It *\*could\** be done, but would be a lot of work. Eliminating transmission lead losses would be the only advantage.

However, I still think putting a remote power meter at the antenna feed could be neat. This way you'd know exactly how much power was going into the antenna and could be handy for those who use a tuner, to ensure it's adjusted right. Temperature variations and extremes might play havoc on the calibration though.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----

Date: Wed, 4 Mar 1998 12:34:20 -0500  
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>  
To: qrp-l@Lehigh.EDU  
Subject: [5251] No AA1MY from here!  
Message-ID: <852565BD.005FF4AB.00@dpcmail.dukepower.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Seab was not to be heard from my NC location (abt 25 mi NNE of Charlotte) last night. Never heard anything that I could say was AA1MY, not even "modulated noise" when it was his turn to transmit. Did hear lots of the folks calling though, especially out TX, OK, CO, etc way. Also heard a number of European stations on 40 before the sked.

Guess I was in the "null" of your wire beam, Seab. Bummer! How 'bout turning it down this way next time!!

Watson/WB4EXW/NC

BTW - The Charlotte HF and Computer Fair is this weekend for any who might be in the area. It's one of the biggies around here yearly.

-----  
Date: Wed, 4 Mar 1998 09:46:13 -0800 (PST)  
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>  
To: qrp-l@Lehigh.EDU  
Subject: [5252] 3-turn 1k pot needed  
Message-ID: <199803041746.JAA01281@heracles.llnl.gov>

I would like to replace the 1k pot in my NorCal 40A with a 3-turn pot (1k). Does anyone out there have such in the collection. They want \$12 - 21 new for one.

Please respond privately as I am in digest mode.

Grant/K7GT k7gt@qsl.net

Pleasanton CA

-----  
Date: Wed, 4 Mar 1998 11:53:31 -0600  
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>  
To: QRP-L list <QRP-L@Lehigh.EDU>  
Subject: [5253] Re: AA1MY Fox  
Message-ID: <351A2DFAE256D111883A0060B06B16623FD317@s-il02-j.comm.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Hey, Seab. Nice work. That was a real challenge. Heard Mike, K1MG work you with his Aluminum Overcast (tm) array, but could barely tell you were in there myself. Later on you came up a bit, but not enough.

Getting desperate for a CT Fox pelt, I started experimenting with my DSP units. When we worked I had 01' Kenwood running into my NIR-12 DSP unit, and it in turn running into my DSP-59+. With two sets of filtering and two noise reducers at work, I was able to copy you enough for the contact. Boy, this is getting to be too much like work :-)

Anyway, very happy to have you in the log. Hope you had as much fun as I did in my turn as Fox.

72, Bob N6WG and 01' Kenwood

-----  
Date: Wed, 4 Mar 1998 09:54:01 -0800  
From: Russ Carpenter <russ@natworld.com>  
To: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [5254] ADVENTURE RADIO SOCIETY WANTS YOU!  
Message-ID: <199803041755.JAA01060@guppy.pond.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Adventure Radio Society is on a membership drive. For those of you who are not members, we invite you to join us.

Why become a member?

1. You can help support the renewal and growth of amateur radio by joining us. Beneath our calm exterior, we have a mission. We want to do our small part in preserving and enhancing ham radio. As you know, in the eyes of young people, ham radio is often seen as a boring activity primarily suited for the geriatric set. We want to help change that image--by encouraging venturing, both of a physical and intellectual kind. The more members we have, the more effective we can be.

2. You will have direct access to great stuff. Here is an upcoming example. On March 10, we will use the ARS automated email system to invite all ARS members to become Bumblebees (for The Flight of the Bumblebees, to be held on July 26). This gate will stay open for one week. If there are still any Bee slots left, we'll open a gate on the QRP-L. For the first 20 ARS members who sign up as Bees, we'll hold a drawing and award an SST to the lucky winner.

The cost of ARS membership is \$0.0 per year. To become a member, just send an email to Richard Fisher (nu6SN), our esteemed Membership Chairman, at nu6SN@aol.com. Send Richard your name, call, address and email address, and it's done!

Thanks for your support!

Russ Carpenter, AA7QU  
ARS #1

-----  
Date: Wed, 4 Mar 1998 13:05:54 -0500  
From: John McKee <JMckee@RFMD.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>

Subject: [5255] info about short verticals  
Message-ID:  
<c=US%a=\_%p=RF\_Micro\_Devices%l=PACHACUTEC-980304180554Z-6371@proxy1.rfmd.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hello Gang,

Does anyone have experience building helical loaded vertical  
antennas?

Thanks

John McKee  
jmckee@rfmd.com  
WB4OFT  
Greensboro, NC

-----  
Date: Wed, 4 Mar 1998 11:27:56 -0700  
From: ji3m@maxwell.com (James R. Duffey)  
To: Chuck Carpenter <w5usj@webwide.net>  
Cc: qrp-1@Lehigh.EDU  
Subject: [5256] Apology  
Message-ID: <v02130510b12344f676d9@[192.31.66.158]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

Chuck - I must apologize for misleading you as I was the one who recommended=  
and directed you to Cecil's site;

"I looked at the W6RCA website and couldn't find any antenna using 300 ohm  
twin lead. They all used 450 ohm open wire line matched to some length of  
50 ohm coax."

It was my intent to indicate that you can substitute the 300 Ohm twinlead=  
for the 450 Ohm ladderline with an appropriate adjustment of the magic SWR=  
from 9:1 to 6:1 . It is the length of the flat top plus the length of the=  
balanced line which determines the match at the end of the balanced line.=  
The coax is just used to connect the end of the feedline to the rig. A=  
choke balun is probably useful, Cecil uses ferrite beads, but a small coil=  
of coax would work as well. This could be a few feet of RG174. I am sorry=  
for this omission and the delay it caused you.

I also did not realize that you had ruled out the use of any coax. Again= accept my apologies.

You are right that the 300 Ohm twinlead is more bulky when compared to= twinlead. One needs to trade off the bulk with the 1 dB lower loss that it= has for your application.

Again I apologise for any inconvenience or embarrassment I have caused you.= Your experiments are interesting. Let us know what happens. - Duffey KK6MC/= 5

-----  
Date: Wed, 4 Mar 1998 12:49:21 -0600  
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>  
To: jdenison@morelr.com  
Cc: QRP-L list <QRP-L@Lehigh.EDU>  
Subject: [5257] Antenna Phasing  
Message-ID: <351A2DFAE256D111883A0060B06B16623FD341@s-il02-j.comm.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Joel (WA5CVM):

Just read your post about getting your second loop up. Good going.

Here I run two loops, although parallel to each other rather than at right angles such as yours. Looks more like a quad. Also, both of my loops are vertically polarized, fed at the center of a side, each with its own feedline. I did this to get the low takeoff angle so I could work the east coast. I'm still chasing my last five states for 40m two-way QRP WAS.

Someday . . .

There is an excellent phasing unit you can build easily in volume 3 of the ARRL

Antenna Compendium series. It doesn't require special lengths of coax for phasing, and it's continuously variable. The coax lengths approach is variable only in steps.

The value of the continuously variable capability is that I can accurately null out a noise source at times. This can be more important than forward gain. After all, if I can't hear you because of loud noise, gain is useless.

The Antenna Compendium series is up to five volumes now, and I have used



something out of each of them. A real asset to any antenna library.  
Strongly recommended.

I don't know how two loops at right angles would phase. If they are vertically polarized, they would probably phase more easily than if they are horizontally polarized. A vertically polarized loop performs a bit like a vertical dipole, but with much less total height required. You will get a cardioid pattern with a broad front lobe and a null to the rear. The depth of the null will depend on several things--relation of the antennas to each other, height above ground, type of phasing system, metal in the surrounding environment. Overall, a really great antenna arrangement for 40m.

The one thing I like about phased loops above all else is NO RADIALS to bother with! A phased array of quarter wave verticals can work very well, but takes a serious radial system to do so.

I hope you've heard 01' Kenwood or the Golden Fox during the hunts. That racket we raise is coming out of the phased loops.

Hope this gives you some ideas, Joel. Good luck and 72,

Bob N6WG and 01' Kenwood

-----  
Date: Wed, 04 Mar 1998 18:58:33 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: cnse97@lmpsil02.comm.mot.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5258] Re: AA1MY Fox  
Message-ID: <34FDA459.19BF@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Great job with all those filters Bob!

I had to suffer, but I did get Seab.

Here the Drake TR-3 with the SSB/2.1 KHz  
filters only!

It was a tremendous challenge, and a bit embarrassing  
hearing Mike's RST so much better than mine. He's  
got some serious aluminum, I hear.

Just the ol' drooping Folded Bazooka up 30 feet here.

72

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Wed, 4 Mar 98 11:00:59 PST  
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>  
To: qrp-l@lehigh.edu (qrp)  
Subject: [5259] Re: Dxpedition operating question (fwd)  
Message-ID: <9803041901.AA03735@wizard.ucs.sfu.ca>

Boy, do I appreciate qrp-l.... As some of you know, the original question I posed under this title, was moved to a couple of other reflectors and took on a life of it's own. A wonderful example of how "a text taken out of context, becomes a pretext." It would be an interesting psychological study to see which segments of the amateur radio population place a higher priority on understanding, rather than on being heard....

What follows is one of the resulting posts that gave me a laugh. Hope others enjoy it.

cheers, Paul  
ve7cqq  
email: paul1@wizard.ucs.sfu.ca

Forwarded message:

> From owner-dx@ve7tcp.ampr.org Wed Mar 4 09:01:16 1998  
> Message-Id: <199803041655.JAA13965@ve7tcp.ampr.org>  
> X-Authentication-Warning: ve7tcp.ampr.org: localhost.ampr.org [127.0.0.1] didn't use HELO protocol  
> To: Demeuleneere Mark <on4ww@club.innet.be>  
> Cc: dx@ve7tcp.ampr.org  
> Subject: Re: Dxpedition operating question  
> In-Reply-To: Your message of "Wed, 04 Mar 1998 06:29:29 GMT."  
> <199803040629.HAA24112@hydrogen.inbe.net>  
> Date: Wed, 04 Mar 1998 09:55:07 -0700  
> From: Lyndon Nerenberg <lyndon@ve7tcp.ampr.org>  
> Sender: owner-dx@ve7tcp.ampr.org  
> Precedence: bulk  
> X-Mailing-List: dx@ve7tcp.ampr.org  
>  
> >>>> "Demeuleneere" == Demeuleneere Mark <on4ww@club.innet.be> writes:  
>

> Demeuleneere> What  
> Demeuleneere> does take time away, is when people insist on  
> Demeuleneere> sending qrp, especially on low bands, and when it is  
> Demeuleneere> obvious to the qrp-er when the dx-peditioner has to  
> Demeuleneere> ask e.g. five times for a repeat of the call.  
>  
> Demeuleneere> That  
> Demeuleneere> is a waste of time and implies that others are not  
> Demeuleneere> making it in the log.  
>  
> Quantity versus quality? I've always gone out of my way to pay attention  
> to /qrp stations. And if you let the pileup know you're trying to work  
> a QRP station, they will usually (surprisingly) back off.  
>  
> Have you ever operated QRP? I haven't done a lot of it, but it's always  
> a blast. It can be a nice change from the robot 3KW and 6 stacked  
> yagis style of operating. And don't forget, QRP stations are competing in  
> their own categories, and going after their own awards.  
>  
> Demeuleneere> One other remark I wanted to  
> Demeuleneere> make for a long time from my Rwanda experience, but  
> Demeuleneere> never got to, is people using a handkey on low  
> Demeuleneere> bands. It is often difficult enough as it is (qrn,  
> Demeuleneere> qsb, tired operator,...), and at those times you can  
> Demeuleneere> really miss dits and dahs which vary in length  
> Demeuleneere> constantly. If you are not consistent in your  
> Demeuleneere> cw-handwriting, please use an electronic  
> Demeuleneere> keyer/computer to work a dx-pedition on low bands.  
>  
> It sounds to me like you really don't enjoy this hobby a whole lot.  
> Is there anything else we can do to ease your workload?  
>  
> --lyndon (a left-handed straight-key QRP kinda guy)  
>  
>  
>

-----  
Date: Wed, 04 Mar 1998 13:21:01 -0600  
From: Chuck Carpenter <w5usj@webwide.net>  
To: ji3m@maxwell.com (James R. Duffey)  
Cc: qrp-1@Lehigh.EDU  
Subject: [5260] Re: Apology  
Message-ID: <3.0.1.32.19980304132101.0069a1d4@mail.webwide.net>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

QRPers All,

Duffey, KK6MC/5, sent me an apology message that is appreciated but not required. I've been a technical communicator for years and understand the problems of trying to make oneself clear. I've learned to "read between the lines" and use my experience to evaluate if what is presented is what was intended. In effect, does the information pass a test of reasonableness. I've been developing and building antennas for a long time as part of my work and my hobby and understand the technologies involved. I am not offended in any way by someone offering their opinion, contrary or otherwise.

I also know that, if I don't understand the information, all that's usually needed is to ask questions. And, if it's something I want to know, I'm not bashful!

So, share info and ideas, "melt solder", and get those QRPp megamiles-per-milliwatt. Excelsior!

72/73 -- Chuck, W5USJ, EM22cv  
Rains County, Eagle Capitol of Texas  
ARCI # 5422, QRP-L # 1306, FISTS # 3984

-----  
Date: Wed, 4 Mar 1998 14:25:23 -0500  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrp-L (E-mail)" <qrp-l@lehigh.edu>  
Subject: [5261] Drifting Index Labs QRP+  
Message-ID: <21E06269B00ED111BE9B00805F6D0FA319A6E4@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain

Does anyone with an QRP+ or QRP++(my original version has serial #928) have a drift problem? From a cold start my QRP+ drifts about 100HZ per 10 minutes for at least 30-40 minutes. It then slows down. Anyone notice this condition? I saw in an old QST review that they mentioned that thier test QRP++ unit drifted about 200 HZ. Besides leaving it on or prewarming it for an hour is there anything I can do? I think its weird that a xtal controlled synthesized unit drifts this much.

By the way, the QRP+ uses a "Motorola 145156 IC and a dual modulus prescaler. The reference frequency is 4 MHZ. The synthesizer uses 2KHZ steps. Intermediate steps of approx. 10 HZ are proovied by controlling the reference freq. wih a D/A converter from the microprocessor".(This

is from the owner's manual).

Elmer.....Help!!!  
user.

I am a DIGEST mode

Sam Billingsley,AE4GX           e-mail: sbillingsley@usaninc.COM  
Atlanta, GA

Wire Antennas, Butternut Vert, AEA IsoLoop  
Ramsey 1w 40 mtr xmtr/rcvr, Index Labs QRP+, HW7, HW8, HW9

Norcal 38s/5w/Tick, (working on PIXIE2)  
NORCAL 2210, MI-QRP 1567, QRP-L 1033, ARCI 9356, AK/QRP #308  
G-QRP 9660, ARS 269, NOGA , CQC 454

-----  
Date: Wed, 4 Mar 1998 01:02:16 -0800  
From: "Wayne Barnhart" <wb7whi@triax.com>  
To: <ae4ic@nr.infi.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [5262] Re: W3EDP vs. Dipole  
Message-ID: <199803041923.LAA11626@smtp.triax.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Bob.  
At the [www.homeusers.prestel.co.uk](http://www.homeusers.prestel.co.uk) the info they have for the W3EDP says  
17ft for 3.5 and 7 ..... 6.5ft for 14 and none for 28.

Dont know the source of the info as posted. Also gives the data for the  
coils.

Wayne   WB7WHI  
Spokane, Wa.

-----  
> Doc,  
>  
> My book says it's needed on 40M, 20M and 15M and not needed on other  
bands.  
> Of course, If the tuner will tune with/without the counterpoise, it  
> doesn't make any difference. Might be a little more efficient used as  
> recommended.

>  
> Bob Kellogg, AE4IC, Greensboro, NC  
> Prolably, but not nececelery. -- Benny Hill

-----  
Date: Wed, 4 Mar 1998 14:32:40 -0500 (EST)  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
To: qrp-l@lehigh.edu  
Subject: [5263] Book:you all should have  
Message-ID: <52362.owen@piper.eeel.nist.gov>

Guys just came across a book that is now carried in our storeroom.  
"The Art of Electronics" by Paul Horowitz Cambridge University Press  
\$64.95 from Amazon Books.

This is a Text Book that gives simplier design of almost anything  
electronic, from Op-Amps to RF amplifiers. I has rule of thumb designs and  
specs on many different devices. It would be invaluable on most of our  
workbenchs. Don't know who would have it cheaper but I think it's worth the  
price.

Go to <http://www.amazon.com> and type in the search box the art of  
electronics and read the reviews. It's all they claim.

-----  
Date: Wed, 4 Mar 1998 15:20:40 -0500  
From: cooper@gmpvt.com (Tom Cooper)  
To: qrp-l@lehigh.edu  
Subject: [5264] Need: Radiokit 75m ssb info  
Message-ID: <199803042020.PAA02290@web.gmpvt.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Yo!

At a local hamfest last Saturday I found a box containing a  
partially built Radiokit 75m ssb xcvr, missing the cabinet and  
the schematic/instructions. Does anyone have any info on this kit?

Thanks!

Tom W1EAT

-----  
Date: Wed, 4 Mar 1998 14:04:35 -0600  
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)  
To: qrp-1@lehigh.edu  
Subject: [5265] 10M SSB RIGS:FUTURE?  
Message-ID: <0006596C.4159@ccgate.dl.nec.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Description: cc:Mail note part

Hi Folks,

Anybody heard any rumors/facts about any 10m ssb rigs coming out in the near future? Seems like a natural progression for the MFJ 9420, 9440, series of rigs. Still wishing I picked up one of those RadioShack or Uniden rigs when they were popular.

I'm looking for a reasonable 10m ssb rig for mobile use when condx improve shortly.

Any kits, etc. looming on the horizon?

73 de Dave NR3E  
nr Dallas, TX  
qrp-1 #25

-----  
Date: Wed, 04 Mar 1998 12:36:45 -0800  
From: Laura Halliday <ve7ldh@direct.ca>  
To: qrp-1@Lehigh.EDU  
Subject: [5266] Re: Book:you all should have  
Message-ID: <34FDBB5D.7D80B1A4@direct.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

James C. Owen, III wrote:

> Guys just came across a book that is now carried in our storeroom.  
> "The Art of Electronics" by Paul Horowitz Cambridge University Press  
> \$64.95 from Amazon Books...

I agree: this book should be required reading. It's at the very top (alphabetical order, y'know...) of my officially unofficial reading list:

<http://mypage.direct.ca/v/ve7ldh/reading.html>

My copy came from the Stanford University Bookstore (a very dangerous place to take credit cards :-), but it seems to be readily available.

How many other electronics books describe things as "weird", with comments like "CMOS can drive you crazy!"?

...laura

-----  
Date: Wed, 04 Mar 1998 15:50:10 -0800  
From: Charles Kadesch <chas@digizen.net>  
To: qrp-l@Lehigh.EDU  
Subject: [5267] QRP Wattmeter Enhancement  
Message-ID: <34FDE8B2.60C8@digizen.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I recently ran across a neat little kit (PDC-1) that allows converting an average reading type QRP wattmeter to a peak reading one. Useful on SSB and CW (monitor power as you send without having to hold the key down). A peak and hold circuit on a small pc board that can fit in the SWR/Power Meter cabinet and it can be switched in and out. Info at <http://www.rust.net/~hires>  
I have no connection with the company etc.  
-72 de Chas W3KC-

-----  
Date: Wed, 4 Mar 1998 16:29:48 -0500 (EST)  
From: Rich Mulvey <mulveyr@mulveyr.roc.servtech.com>



To: kreinbd@ccgate.dl.nec.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [5268] Re: 10M SSB RIGS:FUTURE?  
Message-ID: <199803042129.QAA09961@ll.aa2ys.ampr.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

>  
> Hi Folks,  
>  
> Anybody heard any rumors/facts about any 10m ssb  
> rigs coming out in the near future? Seems like  
> a natural progression for the MFJ 9420, 9440,  
> series of rigs. Still wishing I picked up  
> one of those RadioShack or Uniden rigs when  
> they were popular.  
>  
> I'm looking for a reasonable 10m ssb rig for  
> mobile use when condx improve shortly.  
>  
> Any kits, etc. looming on the horizon?  
>

I've seen quite a few of the Uniden/RS 10M rigs for sale recently on rec.radio.swap. They've been going for about \$150.00 or so, and are only going up in price as 10M gets more use. Personally, I love the HTX-100 that I bought from a fellow QRP-L member last year.

The only kit I've heard about is the Elecraft K2 with the SSB options, which we're all anxiously waiting for. :-)

- Rich

-----  
Date: Wed, 4 Mar 1998 15:51:05 -0600  
From: Tellefsen Bob-CNSE97 <cnse97@lmpsilo2.comm.mot.com>  
To: jdenison@morelr.com  
Cc: QRP-L list <QRP-L@Lehigh.EDU>  
Subject: [5269] RE: Antenna Phasing  
Message-ID: <351A2DFAE256D111883A0060B06B166240452C@s-il02-j.comm.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="ISO-8859-1"

> -----

> From: jdenison@morelr.com[SMTP:jdenison@morelr.com]

> Sent: Wednesday, March 04, 1998 2:08 PM

> To: Tellefsen Bob-CNSE97

> Subject: Re: Antenna Phasing

>

> Hi, Joel.

>

> Hey, height isn't everything, but it's very close. That antenna  
> should be a good performer on its own. Of course, you can never have  
> too much antenna.

>

> The ARRL Antenna Compendium volumes are sold in many ham radio stores.  
> I see them at our local electronics flea market where a fellow always  
> has a table full of the latest ARRL publications.  
> In a pinch you could even order from ARRL :-)

>

> Cost of the phasing unit depends somewhat on your junkbox. Basically  
> it is a pi network with the input and output capacitors ganged  
> together for single knob tuning. It works by electrically lengthening  
> the feedline, as if you had spliced in some additional coax.

>

> I picked up a surplus tuning capacitor (from Fair Radio Sales in  
> Kansas) with four identical sections which gives me some flexibility.  
> I installed a switch that lets me have one section engaged at each end  
> of the pi for higher frequencies, or parallel two sections at each end  
> for lower frequencies. The coil is just a group of small coils in  
> series with the junctions going to a multiposition switch for tapping.  
> This switch varies the amount of inductance in the pi network. I hand  
> wound a bunch of small coils and mounted them right on the switch tabs  
> for simplicity. If you have a good quality rotary coil, it would work  
> here too.

>

> There is a single ferrite toroid core used as a 1:1 transformer, and  
> one more switch used to select either antenna to stand alone, or to  
> phase two antennas with an A-B direction choice. One more position  
> lets you select a dummy load for tuneup. I never use it in real life,  
> so that reduces the number of switch positions by one :-). There are  
> three UHF female chassis mount coax fittings on the rear, although you  
> could just as readily use BNC connectors.

>

> The tuning capacitor cost me about \$8 I think, the switches were from  
> my junkbox, the coil was hand wound out of #18 enameled wire (only a  
> few feet needed). The chassis is two pieces of pc board, one  
> horizontal and one vertical for a front panel. The side supports are  
> just wood strips. There is no cover.

>  
> The real beauty of this phasing unit is that it allows you to use  
> dissimilar antennas and unequal lengths of feedline to the antennas.  
> It achieves phasing by electrically varying the length of the feedline  
> that you have selected. That's the reason for the multiposition  
> switch.  
>  
> If antenna A is fed through the phasing unit, antenna B is fed  
> directly. Now the phasing of the signal at antenna A is varied with  
> respect to antenna B by changing the electrical length of the feedline  
> to A. The two feeds combine to a single connector inside the unit, so  
> you have just one line going to your rig.  
>  
> It is such a simple arrangement that I'm surprised more hams aren't  
> using it. I'm copying this note to QRL-L Joel, as there may be others  
> out there who may be interested.  
> Give it a try, Joel. You may be delighted with the results.  
>  
> 72, Bob N6WG and Ol' Kenwood  
>  
> High Bob, You 'ol golden Fox u  
>  
>       How many pennies will this variable phase project set me back  
> and  
> where except the arrl can i get a copy of this little bugger...  
>       I have the loop in the form of a square now... feeding it at  
> the  
> upper right hand corner with twinlead... don't know what kind of  
> radiation  
> pattern I have... half and half I guess... :-)  
>       That's thirty five point five foots :-) each side... heard a  
> g4 on  
> thirty meters... seems lively on forty but so far no dx heard... The  
> bottom  
> is now way off the ground the top still about fifty feet up...  
>       I need my thousand mile per watt on forty and eighty and it's  
> a  
> shame to be on the east coast and not get across the pond...  
>       Oh woe, woe... I will have to get my good compass and see what  
> direction the antenna is pointing and see if I can figure some type of  
> rope  
> harness so I can get two loops up with a quarter wave spacing...  
> Sometimes  
> trees are just not in the right place or just too short... :-)  
>  
> thanks joel  
>  
>

>  
>  
>  
> >Joel (WA5CVM):  
> >  
> >Just read your post about getting your second loop up. Good going.  
> >  
> >Here I run two loops, although parallel to each other rather than at  
> >right angles such as yours. Looks more like a quad. Also, both of  
> my  
> >loops are vertically polarized, fed at the center of a side, each  
> with  
> >its own feedline. I did this to get the low takeoff angle so I could  
> >work the east coast. I'm still chasing my last five states for 40m  
> >two-way QRP WAS.  
> >Someday . . .  
> >  
> >There is an excellent phasing unit you can build easily in volume 3  
> of  
> >the ARRL  
> >Antenna Compendium series. It doesn't require special lengths of  
> coax  
> >for phasing, and it's continuously variable. The coax lengths  
> approach  
> >is variable only in steps.  
> >The value of the continuously variable capability is that I can  
> >accurately null out a noise source at times. This can be more  
> important  
> >than forward gain. After all, if I can't hear you because of loud  
> >noise, gain is useless.  
> >  
> >The Antenna Compendium series is up to five volumes now, and I have  
> used  
> >something out of each of them. A real asset to any antenna library.  
> >Strongly recommended.  
> >  
> >I don't know how two loops at right angles would phase. If they are  
> >vertically polarized, they would probably phase more easily than if  
> they  
> >are horizontally polarized. A vertically polarized loop performs a  
> bit  
> >like a vertical dipole, but with much less total height required.  
> You  
> >will get a cardioid pattern with a broad front lobe and a null to the  
> >rear. The depth of the null will depend on several things--relation  
> of  
> >the antennas to each other, height above ground, type of phasing  
> system,

> >metal in the surrounding environment. Overall, a really great  
> antenna  
> >arrangement for 40m.  
> >  
> >The one thing I like about phased loops above all else is NO RADIALS  
> to  
> >bother with! A phased array of quarter wave verticals can work very  
> >well, but takes a serious radial system to do so.  
> >  
> >I hope you've heard Ol' Kenwood or the Golden Fox during the hunts.  
> >That racket we raise is coming out of the phased loops.  
> >  
> >Hope this gives you some ideas, Joel. Good luck and 72,  
> >  
> >Bob N6WG and Ol' Kenwood  
> >  
> >  
> >  
> God Bless  
> Joel  
>  
> WA5CVM Gentleman don't Cry, They QSY :-)  
> Joel Denison Gentle Lady (RC Sail Plane)(049 engine -  
> start)  
> PO BOX 542 40 mtr loop up 50ft  
> Strong, Maine 04983 QRP ARCI 4066 NEW ENGLAND QRP 476  
> QRP-L 765  
> jdenison@morelr.com AK/QRP 109  
>

-----  
Date: Wed, 4 Mar 1998 16:47:38 -0500  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: "Wayne Barnhart" <wb7whi@triax.com>, "Low Power Amateur Radio Discussion"  
<qrp-l@Lehigh.EDU>  
Subject: [5270] Re: W3EDP vs. Dipole  
Message-ID: <199803042158.QAA06555@mailhost.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Wayne,

How long should it be? :-)

Sounds like a good site to check out. Thanks, Wayne, for the info.

Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not necessarily. -- Benny Hill

-----  
> Hi Bob.  
> At the [www.homeusers.prestel.co.uk](http://www.homeusers.prestel.co.uk) the info they have for the W3EDP says  
> 17ft for 3.5 and 7 .... 6.5ft for 14 and none for 28.  
>  
> Don't know the source of the info as posted. Also gives the data for the  
> coils.

-----  
Date: Wed, 4 Mar 1998 17:15:38 -0500  
From: nilsbull@juno.com (Nils R Young)  
To: bagardn@ibm.net, QRP-L@Lehigh.EDU  
Subject: [5271] Re: Near panic with my new RF probe  
Message-ID: <19980304.171541.10302.1.nilsbull@juno.com>

Dan, my friend, you have a major problem.

You have begun to believe. Next thing you know, you'll sign up with the Church of the SubGenius and all will not be revealed to you until X-Day! And remember, wait for the comment "Hail Bob!"

You have begun to believe in the conspiracy that is taking up all the electricity from professional wrestling and using it to build a huge "znert-znert-znert" station in the middle of where Atlantis used to be by original Africans who were there on Atlantis on R&R just before the end of the Atlantis Finals Rugby/Cricket/Black-power shootin' drunken barn dance finals (50 overs each match, with extra whiskey [and NOT bourbon!!] that they gave to the people who had brought their own chicken lizards in exchange) and that's why all those numbers are wrong.

You were running just slightly .02193654316117698 millivanillis over the extrapolated interdental cosignature on the loan papers for the dummy who bought the whiskey in the first place. Him and that damn Swedish (and we ALL know about THEM!!!) moose.

So start over. You were wrong. The Cherokee people got that name because when the mutant albino freaks from New Jersey first found 'em, they were pickin' cherries, see. I heard that from some Native American rights activist once. Nothin' like knowin' nothin' about your heritage, he said with a wide, drunken albino Norwegian (and we ALL know about THEM!!!) grin.

It was your dummy load. In the parlor. With a lead pipe.

Oh my gawd! The dummy load killed Kenny!

73

Nils

-----  
Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch

WB8IJD &c :: The Tagalong Press :: email to: nilsbull@juno.com

<http://www.fortunecity.com/victorian/mehetebell/94>

-----  
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Or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Wed, 4 Mar 1998 17:32:05 -0500

From: "Ron Polityka" <wb3aal@talon.net>

To: "QRP-L" <qrp-l@Lehigh.EDU>

Subject: [5272] Fw: ZL7DK

Message-ID: <01bd47bd\$5c228880\$695445c6@default>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hal wrote:

-----Original Message-----

From: minie <minie@ed11a.msfc.nasa.gov>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Wednesday, March 04, 1998 9:16 AM

Subject: ZL7DK

>Also on 10 at 28,025.5 very good sig in late

>afternoon, continuing till after dark at reduced

>strength. No one else on 10 at the time. Hit

>it! It will only take you a minute and it might

>be open. (Nobody nooooooose what may be on there.)

>Hal, W4YNG

I agree, I worked him around 2300 UTC on 28025. But I was running 100 watts. I have been trying QRP but I get home too late.

Good Luck!  
73, Good DXing & QRPing  
Ron de WB3AAL

E-mail: wb3aal@talon.net  
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1      QRP # 5318      10-10 # 13173  
QRP-L # 1099    G-QRP # 3031    AK QRP # 309

-----  
Date: Wed, 4 Mar 1998 17:44:10 -0500  
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>  
To: <klqrp@waterw.com>  
Cc: <qrp-l@Lehigh.EDU>  
Subject: [5273] Re: Revision/Pixie 'Test Winners -- tn timer de N4UY  
Message-ID: <199803042243.QAA23243@dfw-ix6.ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

> ANNOUNCING THE REVISED WINNER LIST OF THE 1997 PIXIE/49ER CONTEST  
>  
> First Prize in the A0 Category, a Tick Keyer, will be awarded to:  
>  
> N4UY, Jake Carter  
>  
> --  
> 73, Randy WJ4P  
> Knightlites QRP-L #296

\*\*\*\*\*

WOW -- I won something!!! And a Tick Keyer at that (I needed one to put into my new 20m SST).

Thanks Randy, and the rest of the folks that worked on, and in, the contest. I've got big plans for next year -- a Tixie with Doug DeMaw's audio filter. I wonder how I can "rubber" that NorCal 7.040 crystal??



Thanks again and 72/3,

Jake [N4UY]      Vienna, VA (Washington DC suburbs)

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,  
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 49/49 (need HI)

WAC QRP W/C 4/4

WAS QRPp W/C 15/14 (200 milliwatts on a Pixie II / MRX-40 / Tick Keyer  
combo)

DXCC-Pixie W/C 002/002

"...the harder the conflict, the more glorious the triumph. That which  
we attain too cheap, we esteem too lightly." Thomas Paine, 12/23/1776

-----  
Date: Wed, 04 Mar 1998 17:41:07 -0600  
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [5274] DCTL antenna references  
Message-ID: <34FDE513.1EF3@uts.cc.utexas.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hey gang,

Here are the references for the DCTL (distributed capacity twisted loop)  
antenna I mentioned yesterday. I got them from Dave Gauding, NF0R and  
he wrote a great article, titled "The Little Loopy", on how to construct  
it.

Here are the references from Dave's article:

Distributed Capacity Twisted Loop, Jim McLelland WA6QBU, 73 Magazine -  
September 1993

Roll Your Own Compact 80 Meter Wire Loop, Jim McLelland, WA6QBU, CQ  
Magazine - July 1994

The Capacity Tuned Folded Loop, Jim McLelland, WA6QBU, 73 Magazine -  
October 1994

Hotel Antennas, Bob Follett, WA7FCU, QRP-List Archives - December 27, 1995

Good luck and 72,

Gary

-----  
Date: Wed, 4 Mar 1998 19:25:02 -0000  
From: "Bob Duckworth" <wb4mnf@atl.org>  
To: <paul1@wizard.ucs.sfu.ca>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [5275] Re: Dxpedition operating question (fwd)  
Message-ID: <199803042311.SAA21383@atl.org>

I've been DX (A35,3D2,T2,HC8,...) and here is how I do it.

- 1) The S9+++ guy who insists on calling while I'm trying to listen is NOT making the log that day. Am I gonna work him to get rid of him? No way! The squeaky wheel doesn't make the log.
- 2) The clean signal gets worked first. This is usually the guy who figures out where I'm listening and has a good fist. Signal strength is not a consideration, if I can hear, I work. Out of the signals I can hear, politeness counts A LOT.
- 3) Signing QRP definitely helps. If the signal is weak and I hear /QRP, I'll make the extra effort (see 2)
- 3) While I'm at it, some bad news. I was working for an oil company and a major portion of my logs (along with an old and dear J-36 and lots of other dear 'stuff') went over the side of the ship while transferring in rough seas. So, some T2 and 3D2 QSO's will never get confirmed owing to missing logs.

-bob  
wb4mnf

-----  
Date: Wed, 04 Mar 1998 15:53:15 -0800  
From: Gardner / Maguire <bagardn@ibm.net>  
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
Cc: qrp-1@Lehigh.EDU  
Subject: [5276] Re: Near panic with my new RF probe  
Message-ID: <34FDE96B.379B@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi LB (and the gang),  
Thanks for your comments. I had fun with that posting!

> Too bad you could not measure the actual reactance of the dummy load, cuz  
> there are big smidgeons and little smidgeons of reactance.

Well, I did try to measure the complex impedance of my dummy load, using the Autek RF-1. Even at 35MHz, still got a Z of 53 ohms (1 ohm resolution on the RF-1) and an SWR of 1.0. Not surprising. If we assume for discussion that we might have 5 ohms of stray reactance ( $52.6 \pm j5$ ), that still gives a scalar Z of 52.8 ohms, not a detectable (on the RF-1) change from the R of 52.6. The SWR would be about 1.12, but the RF-1 (like many other SWR meters) has a "suck-out" effect below about 1.2 such that any SWR below about 1.2 tends to read low on the meter.

I also measured the dummy load using the RF-1 and a variation of the Three Meter Method. Came up with something like  $52.1 - j3.2$  ohms, but again this was pushing the accuracy/resolution of the RF-1. (And seems not right. Using ZMATH <plug>, series form  $52.1 - j3.2$  is equal to parallel form 52.8, -867.8 ohms. 867.8 ohms of parallel stray capacitance is 26 pF at 7.040 MHz, which seems like an awfully lot of stray, even for an inexpensive dummy load. Plus I haven't come up with a good way to compensate for the stray reactance added by the test jig itself when making the measurements.)

Probably all for the best. This way I can look myself in the mirror and know that I've done my best to stay "legal". <vbg>

73, Dan AC6LA

PS. Believe me, gang, I didn't say anything above that LB doesn't know inside out already. The above posting was mostly for the benefit of other lost little lambs like me. <g>

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End of QRP-L Digest 1019

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